## **CLAIMS**

## What is claimed is:

1	1.	A cell-phone retractable earpiece comprising:
2		a phone-wire reel in a reel pocket on a cell phone that is attachable to
3	a cell-phone	e user;
4		phone wire in phone-electrical communication with the cell phone
5	proximate a	reel end of the phone wire that is attached to a reel axle onto which the
6	phone wire	is windable;
7		the reel axle being wind-tensioned to wind the phone wire onto the
8	phone-wire	reel in opposition to pulling the phone wire and locking the reel axle in
9	a selectively	y unwound mode;
10		an ear hook containing an ear-hook portion of the phone wire;
		the ear hook having an ear rest on a top of a user ear, an ear-aft
12	curvature a	nd a hook bottom proximate a bottom of the user ear;
12 13 13 13 15 15 15 15 15 15 15 15 15 15 15 15 15		an ear-size adjuster containing an adjuster portion of the phone wire and
141	having adju	stability of length of the ear-size adjuster intermediate the top of the ear
15	and an ear	cavity of the user's ear;
16		a sound reproducer on a bottom of the ear-size adjuster proximate the
17	ear cavity;	
18		a sound conveyor in sound communication intermediate the sound
19	reproducer	and a predetermined position in the ear cavity; and
20		a microphone on a microphone extension in phone-sound
21	communica	tion with the phone wire proximate a user's mouth.

1	2.	The cell-phone retractable earpiece of claim 1 wherein:	
2		the sound reproducer includes a miniature conical horn that circles an	
3	entrance to	an inner portion of the user ear.	
1	3.	The cell-phone retractable earpiece of claim 1 wherein:	
2		the sound reproducer includes a tubular member that is extended	
3	predetermi	nedly towards an inner portion of the user ear.	
1	4.	The cell-phone retractable earpiece of claim 1 wherein:	
2		the ear hook includes an ear clamp having a first clamp jaw attached to	
3	ok and a second clamp jaw with an ear-grasp member attached to the		
sound reproducer.			
	5.	The cell-phone retractable earpiece of claim 4 wherein:	
2		the microphone is extended from the phone wire proximate the sound	
opportunity of the state of the contraction of the	reproducer to proximate the mouth of the cell-phone user.		
1	6.	The cell-phone retractable earpiece of claim 4 wherein:	
2		the microphone is extended from the phone wire at proximate a bottom	
3	of the ear hook to proximate the mouth of the cell-phone user.		
1	7.	The cell-phone retractable earpiece of claim 1 wherein:	
2		the microphone is extended from the phone wire proximate the sound	
3	reproducer	to proximate the mouth of the cell-phone user.	

The cell-phone retractable earpiece of claim 1 wherein:

the microphone is on a retractable appendage for selectively retractable

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winding lock.

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The cell-phone retractable earpiece of claim 12 wherein:

the winding lock includes a phone-wire clamp.

1	14.	The cell-phone retractable earpiece of claim 12 wherein:		
2		the winding lock includes an un-locker that unlocks the winding lock		
3	with an unlock communication to the winding lock.			
1	15.	The cell-phone retractable earpiece of claim 14 wherein:		
2		the unlock communication includes a double jerk of the phone wire.		
1	16.	The cell-phone retractable earpiece of claim 14 wherein:		
2		the unlock communication includes a predetermined touching of the reel		
3	pocket.			
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11	17.	The cell-phone retractable earpiece of claim 1 wherein:		
So the best must be the first tends of the state of the s		the phone wire has a length of approximately three feet.		
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1= 	18.	The cell-phone retractable earpiece of claim 1 wherein:		
2		the phone wire is standard phone wire that is used commonly		
3-	intermediat	e a phone jack and a telephone handset.		
1	19.	The cell-phone retractable earpiece of claim 1 wherein:		
2		the phone wire is customized phone wire having an insulated outside		
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	perimeter that is circumferential with a diameter of approximately two millimeters			
4	and contains all standard phone-wire lines with predeterminedly thin insulation or			
5	the phone-wire lines.			

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- **20.** The cell-phone retractable earpiece of claim 1 wherein:
- 2 the reel pocket has a thickness of approximately one-quarter inch, a
- 3 width no greater than a width of the cell phone and a length no greater than a length
- 4 of the cell phone.

**INVENTOR** 

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